

Appl. No. 10/065,254
Amendment dated June 8, 2004
Response to Office Action of March 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A device comprising:
a substrate with a device region, wherein the device region comprises one or more cells;
a cap for encapsulating the device, the cap creates a cavity over the device region; and
spacer particles on the substrate to support the cap, the spacer particles comprising a base and an upper portion, the base being at least equal to or wider than the upper portion.
2. (currently amended) The device of claim 1 wherein the ~~device region comprises one or more cells~~ comprise OLED cells for forming an OLED device.
3. (currently amended) The device of claim 1 or 2 wherein the spacer particles comprise a half-spherical shape ~~cells comprise at least one organic layer formed between lower and upper electrodes.~~
4. (currently amended) The device of claim 3 wherein the spacer particles comprise a non-conductive material ~~lower electrodes are anodes and the upper electrodes are cathodes.~~
5. (currently amended) The device of claim ~~3~~ 4 wherein the spacer particles comprise an average height to maintain the height of the cavity ~~upper electrodes are anodes and the lower electrodes are cathodes.~~
6. (currently amended) The device of claim ~~3~~ 4 wherein the spacer particles comprise a density to maintain separation between the cap and the device region ~~a half-spherical shape.~~
7. (currently amended) The device of claim 3 wherein the spacer particles comprise glass, silica, polymers, ceramic or photoresist ~~a pyramidal, cubical, prism, regular or irregular shape.~~

Appl. No. 10/065,254
Amendment dated June 8, 2004
Response to Office Action of March 8, 2004

8. (currently amended) The device of claim 3 7 wherein the spacer particles comprise an average height to maintain the height of the cavity ~~a non-conductive material~~.
9. (currently amended) The device of claim 8 7 wherein the spacer particles comprise a density to maintain separation between the cap and the device region ~~glass, silica, polymers, ceramic or photoresist~~.
10. (currently amended) The device of claim 8 3 wherein the spacer particles comprise an average ~~diameter~~ height to maintain the height of the cavity.
11. (currently amended) The device of claim 10 3 wherein the spacer particles comprise a density to maintain separation between the cap and the device region.
12. (currently amended) The device of claim 11 3 wherein the density is about 10 – 1000 No/mm².
13. (currently amended) The device of claim 12 3 wherein an average distance between the spacer particles is about 100 – 500 μ m.
14. (currently amended) The device of claim 1 or 2 wherein the spacer particles comprise ~~a half-spherical~~ a pyramidal, cubical, prism, regular or irregular shape.
15. (currently amended) The device of claim 14 wherein the spacer particles comprise a non-conductive material ~~pyramidal, cubical, prism, regular or irregular shape~~.
16. (currently amended) The device of claim 14 15 wherein the spacer particles comprise an average height to maintain the height of the cavity ~~a non-conductive material~~.
17. (currently amended) The device of claim 16 15 wherein the spacer particles comprise a density to maintain separation between the cap and the device region ~~glass, silica, polymers, ceramic or photoresist~~.

Appl. No. 10/065,254
Amendment dated June 8, 2004
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18. (currently amended) The device of claim ~~17~~ 14 wherein the spacer particles comprise ~~glass, silica, polymers, ceramic or photoresist~~ an average diameter to maintain the height of the cavity.

19. (currently amended) The device of claim 18 wherein the spacer particles comprise a density to maintain separation between the cap and the device region.

20. (currently amended) The device of claim ~~19~~ 14 wherein the density is about 10 – 1000 No/mm².

21. (currently amended) The device of claim ~~20~~ 14 wherein an average distance between the spacer particles is about 100 – 500 μm.

22 – 42 (cancelled)

43. (new) The device of claim 18 wherein the spacer particles comprise an average height to maintain the height of the cavity.

44. (new) The device of claim 14 wherein the spacer particles comprise an average height to maintain the height of the cavity.

45. (new) The device of claim 14 wherein the spacer particles comprise a density to maintain separation between the cap and the device region.

46. (new) An organic electrical device comprising:
a substrate with a device region, wherein the device region comprises one or more cells having one or more organic layers arranged between a lower first and an upper second electrode in the device region;
a cap for encapsulating the device, the cap creates a cavity over the device region; and
spacer particles on the substrate to support the cap, the spacer particles comprise a profile having a base and an upper portion in which a width of the base is equal to or wider than a width of the upper portion, wherein the profile of the spacer particles seals edges of the second electrode.

Appl. No. 10/065,254
Amendment dated June 8, 2004
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47. (new) The device of claim 46 wherein the second electrode covers the spacer particles.

48. (new) The device of claim 46 wherein the one or more organic layers comprise electroluminescent material.